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[Continued on next page]

(54) Title: METHODS AND MATERIALS RELATING TO NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES

BLASTP ALIGNMENT OF CEA-LIKE POLYPEPTIDE (SEQ ID NO: 3) WITH  
MOUSE CEA-RELATED CELL ADHESION MOLECULE 1 (SEQ ID NO: 12)

Query: CEA-like polypeptide (SEQ ID NO: 3)

Subject: gi|13937381 ref|NP\_036056.1| (NM\_011926) CEA-related cell  
adhesion molecule 1 (SEQ ID NO: 13); mouse hepatitis virus receptor;  
biliary glycoprotein carcinoembryonic antigen 7; carcinoembryonic antigen  
1 [Mus musculus] >emb|CAA47700.1| (X67283) biliary glycoprotein [Mus  
musculus]

Length = 341

Score = 204 (76.9 bits), Expect = 8.6e-16, P = 8.6e-16  
Identities = 54/168 (32%), Positives = 85/168 (50%)

Query: 73 RDKPVTTVQSIGTEVIGTLR----PDYRDRIRLPENGSLLSLDLQLADEGTYEVEISITD 128  
+ PV+ I V GT + P + R ++ NGSL + + D G Y +E+ TD  
Sbjct: 69 KGNPVSTNAEIVHFVTGTNKTITGPAHSGRETVSYNGSLLIQRTVTKDTGVYTIEM--TD 126

Query: 129 DTFTG-EKTINLTVDPISRPQVLVASTTVLELSEAFNLNCSHENGTKPSYTWLKDQKPL 187  
+ F E T+ V P+++P + V +TTV EL ++ TL C N + WL + + L  
Sbjct: 127 ENFRTEATVQFHVHQPVTQPSLQVTNTTVKEL-DSVTLTCL-SNDIGANIQLWFLNSQSL 184

Query: 188 LND SRMLLSFPDQKVLITITRVLMEDDDLSCMVENPISQGRSLPVKITV 235  
RM LS + +L I + ED Y C + NP+S RS +K+ +  
Sbjct: 185 QLTERMTLSQNNSILRIDPIKREDAGEYQCEISNPFVSVKRSNSIKLDI 232

(57) Abstract: The invention provides novel polynucleotides and polypeptides encoded by such polynucleotides and mutants or variants thereof that correspond to the novel polynucleotides and polypeptides. Other aspects of the invention include vectors containing processes for producing novel polypeptides, and antibodies specific for such polypeptides.

WO 2004/007672 A2



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